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CONTROL NO. z- 10408/82

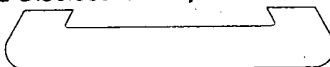
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DISSEMINATION CONTROL ABBREVIATIONS

NOFORN-	Not Releasable to Foreign Nationals
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Page 1 of 2Attachment to Z-10408/82
NPIC/PEG (3/82)Copy 28EVIDENCE OF ROCKET ENGINE TESTS
KURUMOCH ROCKET ENGINE TEST FACILITY, USSR

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1. (S/D) SIGNIFICANCE: INITIAL ACCEPTANCE TESTING OF AN UPPER STAGE ENGINE FOR A NEW SPACE LAUNCH VEHICLE UTILIZING HIGH ENERGY PROPELLANTS PROBABLY HAS TAKEN PLACE AT TEST STAND 5

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2. (S/D) REMARKS: EVIDENCE OF THE INITIAL HIGH ENERGY LIQUID FUEL ROCKET ENGINE TEST IS OBSERVED AT TEST STAND 5. A 22-METER BY 10-METER DARK-TONED BLAST MARK, NOT PRESENT EXTENDS FROM THE TEST STAND. TEST STAND 5 PROBABLY WAS CONVERTED FROM ENGINE ACCEPTANCE TESTING FOR ENGINES USING CONVENTIONAL FUELS TO ACCEPTANCE TESTING FOR ENGINES USING LIQUID HYDROGEN AND LIQUID OXYGEN PROPELLANTS. THIS SUGGESTS THAT KURUMOCH ROCKET ENGINE TEST FACILITY (RETF) WILL BE INVOLVED IN TESTING NEW UPPER STAGE ENGINES FOR AT LEAST ONE OF THE NEW SPACE LAUNCH VEHICLES UNDER DEVELOPMENT.

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(S/D) DARK-TONED BLAST MARKS ALSO EXTEND FROM TEST STANDS 1 AND 3. THE BLAST MARKS ARE APPROXIMATELY 100 METERS BY 31 METERS AT TEST STAND 1, AND 214 METERS BY 76 METERS AT TEST STAND 3. ALSO, TESTING HAS BEEN CONDUCTED AT THE ACOUSTICAL TEST AREA NORTH OF THE ROCKET ENGINE TEST STANDS. EVIDENCE OF A RECENT TEST THERE CONSISTS OF SNOW CLEARING FROM THE INSTRUMENTATION POSITIONS, MOVEMENT OF THE DIFFUSER FROM THE TEST POSITION, AND A BLAST MARK MEASURING APPROXIMATELY 101 METERS BY 15 METERS.

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(S/D) KURUMOCH RETF IS THE ACCEPTANCE TEST FACILITY FOR ROCKET ENGINES USED IN SPACE LAUNCH VEHICLES PRODUCED AT KUYBYSHEV AEROSPACE PRODUCTION PLANT 1 THIS FACILITY TESTS ROCKET ENGINES AND ENGINE CLUSTERS WITH A WIDE VARIETY OF THRUST RANGES IN BOTH SEA LEVEL AND ALTITUDE ENVIRONMENTS. THE RECENT LEVEL OF ACTIVITY INDICATES THAT THIS RETF CONTINUES TO PLAY AN INTEGRAL ROLL IN THE TESTING OF CURRENT AND FUTURE SPACE PROPULSION SYSTEMS.

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NPIC/PEG (3/82)

3. COORDINATES 53-32-18N 049-51-21E

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